



PATENT

Our Docket: P-UW 4979

#12/B  
TECH CENTER 1600/2900  
DEC 10 2002  
RECEIVED

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: )  
Loeb et al. )  
Serial No.: 09/972,834 )  
Filed: October 4, 2001 )  
For: THERMOSTABLE POLYMERASES )  
HAVING ALTERED FIDELITY )  
AND METHODS OF IDENTIFYING )  
AND USING SAME )

Group Art Unit: 1637

Examiner: J. Fredman

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Sir:

RESPONSE TO RESTRICTION REQUIREMENT

Responsive to the Restriction Requirement mailed  
July 23, 2002, entry of the following amendments and  
consideration of the following remarks are respectfully  
requested.

AMENDMENTS

✓  
Please cancel claims 1-20.

Please add the following new claims.

B' 51. (New) A composition comprising a thermostable  
polymerase mutant comprising one or more mutated amino acid  
residues in the O-helix of a parent thermostable polymerase, said  
polymerase mutant having polymerase activity and higher fidelity

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